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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/767,050	01/22/2001	Colin D. Frank	CE08703R	5082
22917 75	590 09/21/2005		EXAMINER	
MOTOROLA, INC.			WARE, CICELY Q	
1303 EAST ALGONQUIN ROAD IL01/3RD			ART UNIT	PAPER NUMBER
SCHAUMBUR	kG, IL 60196		2634	
			DATE MAILED: 09/21/200	5

Please find below and/or attached an Office communication concerning this application or proceeding.

864.00	Application No.	Applicant(s)	Applicant(s)	
Supp Notice of Allowability	09/767,050	FRANK, COLIN D.		
Notice of Allowability	Examiner	Art Unit		
	Cicely Ware	2634		
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8: NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3: Supplement 1. Image: Supplement 1. Supplement 1. Image: Supplem	S (OR REMAINS) CLOSED 5) or other appropriate com RIGHTS. This application is 13 and MPEP 1308.) in this application. If not includ munication will be mailed in due	ed course. THIS	
2. The allowed claim(s) is/are 15-29 renumber as 1-15 resp	pectively.			
3. The drawings filed on 30 November 2004 are accepted by	by the Examiner.			
4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents ha 2. Certified copies of the priority documents ha 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ve been received. ve been received in Applica documents have been receive " of this communication to the	ition Noved in this national stage applica		
5. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g			OTICE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") m (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date	erson's Patent Drawing Rev 			
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			e back) of	
7. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMEN			Note the	

2.
Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4.

Examiner's Comment Regarding Requirement for Deposit of Biological Material

1. Notice of References Cited (PTO-892)

5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413)
Paper No./Mail Date
7. Examiner's Amendment/Comment

8.

Examiner's Statement of Reasons for Allowance

9-12 Other <u>See Continuation Sheet.</u>

Supplemental Examiner's Amendment

Attachment(s)

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SUPPLEMENTAL EXAMINER'S AMENDMENT

I. Amendments to the Claims

- a. Claim 16, line 6, delete ".", insert ", wherein N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 .".
- c. Claim 17, line 7, delete ".", insert ", wherein N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 ."
- e. Claim 22, line 9, after "a second output;", insert "wherein f_0 and f_1^* are two channel vectors, N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , \mathbf{E} is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 , $\mathbf{\Gamma}_{\Omega}$ denotes the correlation matrix".
- f. Claim 26, line 9, after "a second output" insert "; wherein f_0 and f_1 " are two channel vectors, N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 , $\Gamma_{\mathbf{Q}}$ denotes the correlation matrix".

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Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cicely Ware whose telephone number is 571-272-3047. The examiner can normally be reached on Monday – Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Cicely Ware

cqw September 8, 2005

SUPERVISORY PATENT EXAMINE

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